

Amendments to the Claims:

The following Listing of the Claims will replace all prior versions and all prior listings of the claims in the present application:

Listing of Claims

4. (Currently Amended) A pyrotechnic device for simulating explosions, weapons firing and/or hit indications ~~comprised of~~ comprising:

a magazine having a plurality of receptacles for receiving a plurality of ~~corresponding~~ blank ammunition rounds; and

a top plate having a plurality of peripheral conductive discs located thereon and corresponding in number to the plurality of receptacles [[; wherein]], the peripheral conductive discs being made of conductive rubber and the magazine [[can be]] being placed on the top plate such that each of the plurality of receptacles is located over a corresponding one of the plurality of peripheral conductive discs, [[; and]] wherein each [[of the plurality of]] blank ammunition round[[s]] can be placed in a corresponding one of the plurality of receptacles [[so]] such that [[a first contact of each of the plurality of blank ammunition rounds]] it is in ohmic contact with a corresponding one of the plurality of peripheral conductive discs.

5. (Currently Amended) The pyrotechnic device of claim 4 wherein the top plate further includes a plurality of center conductive disc pads, each of which is located at a center of a corresponding one of the plurality of peripheral conductive discs and is separated therefrom by electrical insulation, corresponding to the plurality of peripheral conductive discs and wherein each center conductive disc pad is located at the center of the plurality of peripheral conductive discs; wherein there is electrical insulation between each of the plurality of center conductive disc pads and a corresponding one of the plurality of peripheral conductive discs; and wherein each [[of the plurality of]] blank ammunition round[[s]] can be placed in a corresponding one of the plurality of receptacles [[so]] such that [[a second contact of each of the plurality of blank ammunition rounds]] it is in ohmic contact with a corresponding one of the plurality of center conductive disc pads and with a [[while the first contact of the respective blank ammunition round is in ohmic contact with the]] corresponding one of the plurality of peripheral conductive discs.

6. (Cancelled)

7. (Cancelled)

8. (Currently Amended) The pyrotechnic device of claim 5 further comprising:

an electronic housing~~[[;and]]~~, wherein each of the plurality of center conductive disc pads is in ohmic contact with one of a plurality of conductive transfer posts that run through the top plate and into

the electronic housing.[]; and wherein each of the plurality of conductive transfer posts runs through the top plate and into the electronic housing.[]]

9. (Currently Amended) ~~The pyrotechnic device of claim 8 further comprising~~ A pyrotechnic device for simulating explosions, weapons firing and/or hit indications comprising:

a top plate having a plurality of conductive disc pads, wherein each of the conductive disc pads includes a peripheral conductive disc pad, a center conductive disc pad, and electrical insulation therebetween, whereby there are a plurality of peripheral conductive disc pads and a plurality of center conductive disc pads;

a magazine having a plurality of receptacles for receiving a plurality of blank ammunition rounds, the magazine being placed on the top plate such that each of the plurality of receptacles is located over a corresponding one of the plurality of conductive disc pads, wherein each blank ammunition round can be placed in a corresponding one of the plurality of receptacles such that it is in ohmic contact with a corresponding one of the plurality of peripheral conductive disc pads and with a corresponding one of the plurality of center conductive disc pads;

an electronic housing, wherein each of the plurality of center conductive disc pads is in ohmic contact with a corresponding one of a plurality of conductive transfer posts that run through the top plate and into the electronic housing;

an interface circuit board[[]], wherein each of the plurality of conductive transfer posts is in ohmic contact with a corresponding one of a corresponding plurality of bridge springs,; and wherein each of the plurality of bridge springs is ohmically in ohmic contact with an exposed area on the interface circuit board; and

wherein a central processing unit which is housed in the electronic housing, wherein the central processing unit can selectively fire [[any one of the corresponding plurality of]] a blank ammunition round[[s]] located in any one of the plurality of receptacles.

10. (Cancelled)

11. (Cancelled)

12. (Cancelled)

13. (Currently Amended) The pyrotechnic device as claimed in of [[C]]claim 4 further comprising: an electronic housing ~~comprised of~~ having circuitry[[;]], wherein the circuitry provides for self-testing.
14. (Currently Amended) The pyrotechnic device as claimed in of [[C]]claim 4 further comprising: an electronic housing ~~comprised of~~ having circuitry[[;]], wherein the circuitry provides the capability of fifteen programmable firing sequences and igniting at least one [[or more of the plurality of]] blank ammunition round[[s]].
15. (Currently Amended) The pyrotechnic device as claimed in of [[C]]claim 4 further comprising: an electronic housing ~~comprised of~~ having circuitry, wherein the circuitry can perform a special ignition application.
16. (Currently Amended) The pyrotechnic device of claim 15 wherein the special ignition application is an anti-personnel application.
21. (Currently Amended) A pyrotechnic device for simulating explosions, weapons firing and/or hit indications[[,]] comprising:
- a magazine ~~comprised of~~ having a plurality of receptacles for receiving a ~~corresponding~~ plurality of rounds, ~~the magazine having an underside surface~~; wherein a plurality of safety interlocks [[are]] is located on ~~the~~ an underside surface of the magazine; and
- a top plate having a top surface on which [[are]] is located a plurality of contact pads which correspond in number to the plurality of safety interlocks[[;]], wherein the magazine can be placed on top of the top plate so that the underside surface of the magazine lies on top of the top surface of the top plate and each of the plurality of safety interlocks on the magazine comes in ohmic contact with a corresponding one of the plurality of contact pads on the top plate[[;]],
- [[and]]wherein the pyrotechnic device does not arm when power is applied unless each of the plurality of safety interlocks on the magazine is in ohmic contact with a corresponding one of the plurality of contact pads on the top plate.
22. (Previously Presented) The pyrotechnic device of claim 21 further comprising a latching device which latches the magazine to the top plate, wherein the latching device causes each of the plurality of safety interlocks on the magazine to come in ohmic contact with a corresponding one of the plurality of contact pads on the top plate.

23. (Currently Amended) The pyrotechnic device of claim 21[[,]] further comprising an electronic housing including circuitry[[;]], wherein the circuitry is located on a circuit board, and the circuitry comes in ohmic contact with the plurality of contact pads on the top plate.
24. (Currently Amended) The pyrotechnic device of claim 23[[,]] wherein a remote control signal can be used to operate the circuitry and thereby operate the pyrotechnic device.
29. (Currently Amended) ~~The pyrotechnic device of claim 8 further comprising~~

~~a plurality of non-conductive washers, each of which is placed around one of the plurality of transfer posts, wherein there is at least one non-conductive washer for each of the plurality of transfer posts; wherein there are a plurality of bored holes in the electronic housing; wherein each transfer post lies at least partially inside of one of the plurality of bored holes in the electronic housing; wherein there is one transfer post for each bored hole; and wherein each of the plurality of non-conductive washers forms a seal between the top plate and the electronic housing so that no liquid can enter the electronic housing through any of the plurality of bored holes.~~

A pyrotechnic device for simulating explosions, weapons firing and/or hit indications comprising:

a top plate having a plurality of conductive disc pads, wherein each of the conductive disc pads includes a peripheral conductive disc pad, a center conductive disc pad, and electrical insulation therebetween, whereby there are a plurality of peripheral conductive disc pads and a plurality of center conductive disc pads;

a magazine having a plurality of receptacles for receiving a plurality of blank ammunition rounds, the magazine being placed on the top plate such that each of the plurality of receptacles is located over a corresponding one of the plurality of conductive disc pads, wherein each blank ammunition round can be placed in a corresponding one of the plurality of receptacles such that it is in ohmic contact with a corresponding one of the plurality of peripheral conductive disc pads and with a corresponding one of the plurality of center conductive disc pads; and

an electronic housing having a plurality of bored holes, each of the plurality of bored holes able to accept at least a portion of a plurality of conductive transfer posts that run through the top plate and into the electronic housing, wherein at least one non-conductive washer is placed around each of the plurality of conductive transfer posts for forming a seal between the top plate and the electronic housing so that no liquid can enter the electronic housing through any of the plurality of bored holes and wherein each of the plurality of center conductive disc pads is in ohmic

contact with a corresponding one of the plurality of conductive transfer posts.

30. (Previously Presented) The pyrotechnic device of claim 29 wherein each of the plurality of non-conductive washers is a neoprene washer.